F-16 Center Pedestal Display (CPD)

For several decades, Elbit Systems has been a reliable supplier of F-16 avionics for Lockheed Martin, USAF and ANG as well as for customers worldwide. Thousands of F-16s are flying with Elbit Systems avionics onboard, including:

- Head Down Displays in different shapes, sizes and functions
- Display Computers
- HUDs
- Helmet Mounted Systems
- Weapon Computers and Interface Boxes

Elbit Systems F-16 Center Display Unit (CDU), adds a new operational dimension to the F-16 cockpit with an ergonomically designed system for pilot effectiveness and comfort, offering:

- High resolution sensor imaging
- Situational awareness
- Real-time processing and imaging of flight safety information
- Multifunctional equipment that replaces analog gauges and preserves flight safety
- Crisp and highly visible imaging both day and night with NVG compatibility
- Low risk solution utilizing high TRL approach
- Low cost maintenance utilizing modern electronics architecture
- High reliability due to superior MTBF
- Low footprint installation, offering best man-machine-interface while maintaining A/C analog gauges configuration option

Elbit Systems
Aerospace

F-16 Center Pedestal Display (CPD)

Major Characteristics:

- Real-time processing for flight safety under any flight conditions
- Open architecture
- Off The Shelf product, ready for integration in various F-16 blocks

Characteristics:

- Real-time processor with Open GL GPU
- Real-time processor for flight instruments display
- DO-254 H/W, DO-178 (DALB) S/W
- Autonomous backup Air Data Computer
- 1000/100/100 Ethernet Interface
- "Picture in Picture" capability
- Multiple video and I/O inputs
- High resolution digital video inputs and outputs
- Many I/O interface as: MIL-STD-1553B, RS-485, RS-422, discretes and analogs
- Optimized electronics for enhanced image quality for both digital graphics and sensor imagery
- Open modular architecture allowing easy integration of customer's or third party's software applications
- Extensive "picture in picture" and video overlay capabilities
- High brightness and contrast for direct sunlight visibility
- Full NVG compatibility
- Saturated colors in both day and NVG modes for vibrant reds and yellows
- Extra wide viewing angles with uniform brightness and colors
- Advanced LED backlight - no power consuming lamp heaters
- Passive cooling - no forced air or fans required
- Programmable rotary switch
- Unique LED backup display for flight safety information

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